ARCHIVES OF PATHOLOGY

EDITORIAL BOARD

LUDVIG HEKTOEN, Chicago, Chief Editor

GRANVILLE A. BENNETT, Chicago
WILEY DAVIS FORBUS, Durham, N. C.
S. B. WOLBACH, Boston
GEORGE H. WHIPPLE, Rochester, N. Y.
FRANK R. MENNE, Portland, Ore.

VOLUME 45
1948

PUBLISHERS
AMERICAN MEDICAL ASSOCIATION
CHICAGO, ILL.

Medical lib.
Dulect

610.5
A671
P27

CONTENTS OF VOLUME 45

JANUARY 1948. NUMBER 1

PAGE

Primary Systemic Amyloidosis. Lalla Iverson, M.D., and A. B. Morrison, M.D., Durham, N. C. 1

Mechanisms Concerned in the Necrosis Effected by Unsaturated Fatty Acid. E. Mylon, M.D., and E.R. Smith, M.D., New Haven, Conn. 21

Myocardium After Sulfonamide Therapy. Robert M. Fawcett, M. D., Rochester, Minn. 25

Chronic Carbon Dioxide Poisoning: Experimental Studies. Hubert Meessen, M.D., Neustadt, Baden, Germany 36

Hepatic Abscess: Factors Determining Its Localization. Thomas D. Kinney, M.D., and Joseph W. Ferrebee, M.D., Boston 41

Chemical Character of the Enterochromaffin Cells. George Gomori, M.D., Ph.D., Chicago 48

Triple Synchronous Primary Carcinoma. Benjamin S. Gordon, M.D., Bronx, N. Y. 56

Case Reports:

Congenital Aneurysm of an Aortic Sinus. Lieutenant Russell M. Maynard (MC), U. S. N., Bethesda, Md., and Charles Waters Thompson, M.D., Washington, D. C. 65

Laboratory Methods and Technical Notes:

Modified Eosin Counterstain for Formaldehyde-Fixed Tissues. Frederick A. Putt, New Haven, Conn. 72

General Reviews:

Lymphoid Diseases: Hodgkin's Granuloma, Giant Follicular Lymphadenopathy, Lymphoid Leukemia, Lymphosarcoma and Gastrointestinal Pseudoleukemia. Douglas Symmers, M.D., New York 73

Notes and News 132

Books Received 134

FEBRUARY 1948. NUMBER 2

A Morphologic Study of the Cardiac Conduction System: V. The Pathogenesis of Heart Block and Bundle Branch Block. Daniel J. Glomset, M.D., and Richard F. Birge, M.D., with the Technical Assistance of Anna T. A. Glomset, Des Moines, Iowa 135

Manifold Manifestations of Reticuloendothelial Disease: Report of a Case of Hodgkin's Disease (Lymphogranulomatosis), Acute Hemolytic Anemia and Giant Follicular Lymphadenopathy. C. G. Tedeschi, M.D., and T. J. Carnicelli, M.D., Framingham, Mass. 171

Spread of Carcinoma of the Spleen: Its Relation to Generalized Carcinomatous Spread. John W. Harman, M.B., and Paulo Dacorso, M.V., M.Sc., Madison, Wis. 179

Laennec Cirrhosis: Its Histogenesis, with Special Reference to the Role of Angiogenesis. Eli Moschcowitz, M.D., New York 187

FEBRUARY—*Continued*

PAGE

Statistical and Histologic Study of One Hundred and Twenty Canine Neoplasms. R. M. Mulligan, M.D., Denver 216

Mastitis of the Mouse as Related to Postsecretory Mammary Involution. W. Lane Williams, Ph.D., and Robert A. Patnode, M.S., Minneapolis 229

Role Played by the Salivary Glands in the "Alarm Reaction." William E. Ehrich, M.D., and Joseph Seifter, M.D., Philadelphia 239

Normal Variation of the Costochondral Junction. Jonathan Cohen, M.D., Boston 246

Case Reports:

Fuel Oil Aspiration Pneumonia. John E. Kurtz, M.D., Toronto, Canada. 259

Notes and News 267

Books Received 268

MARCH 1948. NUMBER 3

Chronic Infection and Atherosclerosis: Some Additional Experimental Data. N. W. Jones, M.D., and A. L. Rogers, M.D., Portland, Ore 271

Fat Necrosis of the Newborn: Report of a Case with Necrosis of the Subcutaneous and Visceral Fat. Curtis M. Flory, M.D., New York 278

Histopathology of Virus Encephalomyelitis. I. Mark Scheinker, M.D., Cincinnati 289

Pathologic Changes Produced by Monochloromonobromomethane. B. Highman, M.D.; J. L. Svirbely, Ph.D.; W. F. von Oettingen, M.D.; W. C. Alford, B.S., and L. J. Pecora, B.S., Bethesda, Md 299

Experimental Coronary Sclerosis: I. Medial Degeneration as the Primary Lesion in Coronary Sclerosis of Cockerels. J. C. Paterson, M.D.; S. J. Slinger, M.S.A., and K. M. Gartley, B.S.A., London, Canada 306

Barbiturate-Opiate Intoxication with Necrosis of the Basal Ganglions of the Brain: Report of a Case. George A. Jervis, M.D., Thiells, N. Y., and Frank T. Joyce, M.D., Denver 319

Effect of Choline in the Prevention of Experimental Aortic Atherosclerosis. Alfred Steiner, M.D., New York 327

Studies on the Megakaryocyte. Emil Schwarz, M.D., Chicago:

I. The Normal Granulopoiesis of the Megakaryocyte 333

II. Deficient Granulopoiesis in the Megakaryocyte in Essential Thrombopenic Purpura 342

Pathologic Anatomy of Acute Experimental Beryllium Poisoning. James K. Scott, M.D., Rochester, N. Y. 354

Intracellular Inclusion Bodies in Mild Disease of the Respiratory Tract. Camillo De Berardinis, M.D., Philadelphia 360

Case Reports:

Amniotic Fluid Embolism: Report of a Fatal Case. J. P. Wyatt, M.D., and H. Goldenberg, M.D., Toronto, Canada 366

Hamartoma of the Spleen: Report of Three Surgical Cases. William G. Kirkland, M.D., and John R. McDonald, M.D., Rochester, Minn. 371

Diffuse Plasma Cell Myelosis: Report of a Case in Which It Simulated Aplastic Anemia on Postmortem Examination. Steven O. Schwartz, M.D.; Berthe E. Armstrong, M.D.; Ernst Loeffler, M.D., and William Mavrelis, M.D., Chicago 380

MARCH—*Continued*

PAGE

General Reviews:
Splenomegaly. Douglas Symmers, M.D., New York 385

Notes and News 410

Books Received 413

APRIL 1948. NUMBER 4

Coarctation of the Aorta and the Aortic Isthmuses. J. L. Bremer, M.D., Boston 425

Pathologic Reactions in the Livers and Kidneys of Dogs Fed Alcohol While Maintained on a High Protein Diet. I. L. Chaikoff, M.D.; C. Entenman, Ph.D.; T. Gillman, M.D., and C. L. Connor, M.D., Berkeley, Calif. 435

Parafollicular Cell Adenoma of the Thyroid Gland. L. Bakay Jr., M.D., Stockholm, Sweden 447

Chloroquine (SN-7618): Pathologic Changes Observed in Rats Which Had Been Fed Various Proportions for Two Years. Arthur A. Nelson, M.D., Ph.D. in Path. and O. Garth Fitzhugh, Ph.D., Washington, D. C. 454

Dilatation of the Acini of the Pancreas: Incidence in Various Pathologic States. Archie H. Baggenstoss, M.D., Rochester, Minn. 463

Report of a Fatal Case of Pneumonia Produced by a Meningopneumotropic Virus with Observations on the Interrelationship of Psittacosis-like Viruses. P. F. deGara, M.D., and J. Furth, M.D., New York 474

Synergistic Necrotizing Action of Urethane (Ethyl Carbamate) and Chloroform. C. C. Lushbaugh, Ph.D., and John B. Storer, M.D., Chicago 494

Rapid Deceleration and Rupture of the Aorta. Isaac Tannenbaum, M.D., and John A. Ferguson, M.D., Long Branch, N. J. 503

Lesions Produced in Chick Embryos by Candida (Monilia) Albicans. Robert F. Norris, M.D.; Winston K. Shorey, M.D., and Alfred M. Bongiovanni, M.D., Philadelphia 506

Extra-Abdominal Desmoid Tumors: Their Differential Diagnosis and Treatment. James E. Musgrove, M.D., and John R. McDonald, M.D., Rochester, Minn. 513

Chondromyxoid Fibroma of Bone: A Distinctive Benign Tumor Likely to Be Mistaken Especially for Chondrosarcoma. Henry L. Jaffe, M.D., and Louis Lichtenstein, M.D., New York 541

Generalized Ochronosis: Report of an Instance in Which It Was Misdiagnosed as Melanosarcoma with Resultant Enucleation of an Eye. Olaf K. Skinsnes, M.D., Ph.D., Chicago 552

Laboratory Methods and Technical Notes:
Modified Phosphotungstic Acid—Hematoxylin Stain. Ethel Lieb, A.B., Cleveland 559

Notes and News 561

Books Received 562

MAY 1948. NUMBER 5

A Quantitative Hypothermal Method for the Production of Local Injury of Tissue. George M. Hass, M.D., and C. Bruce Taylor, M.D., Chicago 563

Testicular Tumors: I. Seminoma and Teratoma. Robert E. Scully, M.D., and Asa R. Parham, M.D., Boston 581

Varices, Congenital Syphilis, Tuberculosis and Secondary Tumors of the Esophagus: Histologic Observations. Jan F. Majeranowski, M.D., Ottawa, Canada 608

MAY—*Continued*

PAGE

Pulmonary Emboli Composed of Contents of Amniotic Fluid. Elmer R. Jennings, M.D., and Bert E. Stofer, M.D., Detroit 616

Mast Cells: Their Distribution in Various Human Tissues. Joseph Janes, M.D., and John R. McDonald, M.D., Rochester, Minn 622

Pancreatitis Accompanying Hepatic Disease in Dogs Fed a High Fat—Low Protein Diet. Stuart Lindsay, M.D., San Francisco, and C. Entenman, Ph.D., and I. L. Chaikoff, M.D., Berkeley, Calif 636

Cholecystitis: A Study of Intramural Deposits of Lipids in Twenty-Three Selected Cases. Roger E. Weismann, M.D., and John R. McDonald, M.D., Rochester, Minn 640

Congenital Cysts of the Lung: Report of a Case with Successful Pneumonectomy. A. C. Webb, M.D., Chicago 659

Craniolacunia: A Report of Six Cases, with a Review of the Literature. J. P. Wyatt, M.D., and H. Goldenberg, M.D., Toronto, Canada 668

Notes and News 679

Books Received 680

JUNE 1948. NUMBER 6

Boeck's Disease (Boeck's Sarcoid). Julius Rosenthal, M.D., and Irwin Feigin, M.D., New York 681

Calcific Disease of the Aortic Valve. Herbert N. Hultgren, M.D., San Francisco 694

Influence of Sympathectomy on the Necrosis Developing in Rabbits' Ears After the Skin Has Been Frozen with Solid Carbon Dioxide. Leiv Kreyberg, M.D., Oslo, Norway 707

Effects of Electrolyte Imbalance on the Adrenal Gland. John Nichols, Chapel Hill, N. C. 717

Effect of 20-Methylcholanthrene on the Transplantability of Skin of Mice. Martin Silberberg, M.D.; Ruth Silberberg, M.D., and Bernard Hulbert, M.D., St. Louis 722

Pulmonary Alveolar Lining in Bronchiectasis. Campbell Franklin Watts, M.D., and John R. McDonald, M.D., Rochester, Minn 742

Congenital Megaloureter and Hydroureter: Pathogenesis and Classification. G. E. Irvin, M.D., and John E. Kraus, M.D., Peoria, Ill 752

Anomalies of the Coronary Arteries: Report of Four Cases. Neil K. White, M.D., and Jesse E. Edwards, M.D., Rochester, Minn 766

Production of an Antireticular Cytotoxic Serum. David Movitz, M.D.; Katherine M. Howell, M.D.; Otto Saphir, M.D., and Alfred Strauss, M.D., Chicago 772

Case Reports:

Supernumerary Aortic Cusps with Multiple Fenestrations and with Displacement of the Left Coronary Orifice. J. P. Wyatt, M.D., and Henry Goldenberg, M.D., Toronto, Canada 784

Granuloma Venereum Simulating Carcinoma: Report of a Case with Diagnostic and Therapeutic Complications. Morris Moore, Ph.D., St. Louis 787

Notes and News 794

General Index 797